

No. 3134 Survey held at Montrose Date 5<sup>th</sup> March 1864  
 on the Schornie & Maori Master J. Marn  
 Old 184 Tonnage New 124.51 Built at Montrose When built 1864 Launched 25/2/64  
 By whom built James Strachan Owners D. Sutherland  
 Port belonging to Montrose Destined Voyage not fixed  
 If Surveyed while Building, Afloat, or in Dry Dock Building afloat

Length aloft	Feet.	Inches.	Extreme Breadth Outside	Feet.	Inches.	Depth of Hold	Feet.	Inches.
	Sized.	In Ship Moulded.	REQUIRED PER RULE.	Sized.	Middle. Ends.		In Ship.	Required per Rule.
<b>Scantlings of Timber.</b>								
TIMBER AND SPACE	2½		Outside.	2½	2¾	Limber Strakes	3½	27
Floors, Single	8½	9	8½ 7½	8½ 7½ 6¾		Garboard Strakes ..	2½	"
1 <sup>st</sup> Foothooks	7½	8½	7½	7½		Garboard to Bilge ..	2½	"
2 <sup>nd</sup> Ditto	6½	7½	7½	7½		Bilge Planks N. 2.	3	"
3 <sup>rd</sup> Ditto	6½	7½	6½	6½		Bilge to Wales ..	2½	"
Top Timbers	6½	6½	6½ 4½	6½ 4½		Wales N. 2. 5. 4½ 3½ 33 x 3¾	2½	"
Deck { N. 17 Average Space }	37 11 8	9 9 6½	7½ 7½ 6½			Topsides .....	2 3/4	3 3/4
Beams						Sheer Strakes .....	3	"
Deck Beams, length amidships	20					Plank Sheers .....	2½	2 3/8
Hold { N. 3 Average Space }	9½ 10 9½ 10	10 10 8½				Water-Upper Deck	1 1/4	47
Beams { Cabin & Forecastle }	11 11	10 10 8½				Ways { Lower Deck }	1 1/4	34
Hold Beams, length amidships	10 10 13 13	9½ 9½				Ditto, faying surface	4½	4 3/4
Keel	10 10 13 13	9½ 9½				against Timbers ..	2½	2 3/4
Scarps of Ditto	4 10	4 4½				Upper Deck .....	6	2 3/4
Keelsons	11 11 12 12	10½ 10½						
Scarps of Ditto	5 2½	4 10½						

Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.

Copper or Iron, Inches in Ship.	Iron, Inches required per Rule	Transoms and throats of Hooks ..	Hold Beam Bolts in Waterway ..
Heel-Knee, and Deadwood abaft	1		Knees 2 1/2 4m 13 1/2 1/4
Scarps of Keel.....N. 7 1/2 m	6 x 3/4	Arms of Hooks 13 3/4	Shelf or Clamp 13 1/2 1/4
Keelson Bolts through Keel at each Floor .....	7 1/2 7 8	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	Waterway .. 1 1/2
Bolts through Heels of Timbers against Deadwood .....	11/16 11/16	Butt End Bolts 5/8	Knees 13 1/2 1/4
		Pintles of the Rudder 2 1/2	Shelf or Clamp 13 1/2 1/4
		3 in. or under Counter	Nails in Bolts in Flat of Deck 1 1/2
			Treenails .. Inches 1 1/2

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is  $\frac{1}{2}$  Inches. The Space between the Top-Timbers is  $\frac{3}{4}$  Inches.

The Floors consist of German Oak. The First Foothooks of German & Bus Oak

The Second Foothooks of British Oak. The Third Foothooks and Top Timbers of British Oak

The Shifts of the First and Second Foothooks are not less than  $\frac{1}{2}$  feet  $\frac{3}{4}$  inches. N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are

The Frame is well squared from the First Foothook Heads upwards, and fairly free from sap, and from thence downwards, the frame is well squared

The alternate Frames are each bolted together to the Gunwale. & all built-in plane N. B. If not, state how bolted.

The Butts of the Timbers are close together; their thickness not less than  $\frac{1}{2}$  up of the entire moulding at that place.

The Frame is cross chocked with no Butt at each end of the chock. The Main piece of Rudder is Bus Oak

The Main Keelson is Larch & Picea Gen Oak and free from all defects. The Main piece of Windlass is Bus Oak

The Stem, and Stern Post, consist of British Oak. The Transoms, Aprons, Knight Heads, and Hawse Timbers of Bus Oak. Deadwood, of British Oak and are free from all defects.

The Deck and Hold Beams consist of Gen Oak. The Breasthooks of Iron. The Knees of Jun & Bus Oak

**Planking Outside.**—From the Keel to the Height defined in Note to Table A, the Plank is Amer Elm or Gen Oak

From the above named Height to the Light Water Mark

From the Light Water Mark to the Wales German Oak

The Wales and Black-strokes are German Oak

The Sheer-strokes and Plank-sheers German Oak

The Decks Yellow Pine

The Shifts of the Planking are not less than 5 Feet 4 Inches. N. B. If less than prescribed by the Rule, state whether general

or partial, and if partial, in what part of the Ship. The Planking is wrought Three between, and without step-butting

**Planking Inside.**—The Limber-strokes and Bilge-strokes are German Oak

The Ceiling, Lower Hold, and between Decks German Oak Shelf Pieces and Clamps German Oak

**Fastenings.**—To Hold Beams 16' Lod' Jun Kneis to each end of 3 Mid Beams & 3 Beam of forecastle and Breast Beam of Cabin sole single Kneis at each end & also 3 pair Hang' Jun Kneis & Ridders applied to Mid Beams (with other Ridders to deck Beams)

Deck Beams doweled to shelf & inner wals & scroed  $\frac{1}{4}$  into Beams & then bolted 2 spaces for 2 aft each side double & single Lod' Kneis of Bus Oak Staple Jun Kneis ... Mast rooms 14' Hang' Jun Kneis (3 p' Ridders carried down round Bilge over floors) Jun Kneis (not Kneis) Pointers 2 p' for under Hooks Crutches 1 Jun ap' arkan Number of Breasthooks 3 p' under deck 1 above

Butts End Bolts are of Yell. Pine in the Bottom, and two Bolts in each Butt End through and clenched.

Bilge and Limber Strakes Yell. Pine bolted through and clenched. Treenails of Bus Oak a few Jun Kneis How Made p' to Engine turned n' planned

Thickstuff over Double Floors bolted through and clenched. General Quality of Workmanship Good

We certify that the above is a correct description of the several particulars therein given

Builder's Signature James Strachan Surveyor's Signature Thomas Alexander

Lloyd's Register Foundation

DUNIOS-0373

Her Masts, Yards, &c. are in Good condition, and sufficient in size and length.

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N°.		Fathoms.	Inches.	N°.	Weight.	
1	Fore Sails,	Chain .....	43	Bower, .....	2	7. 2. 10 Ready
1	Fore Top Sails,	110	13/16		6. 0. 25 Iron	
2	Fore Topmast Stay Sails,	Hemp Stream Cable .....	75	Stream, .....	1 2. 2. 17	
1	Main Sails, & Tysail	Hawser .....	70			
1	Main Top Sails,	Towlines .....	75			
	and other sails reg'd	Warp .....	75	Kedge, .....	1 1. 2. 16	
		All of Good quality.	75			

Her Standing and Running Rigging are Hemp sufficient in size and in quality.

She has one 16 ft. Long Boat and

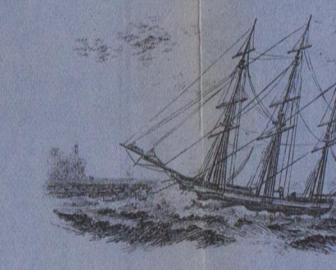
The present state of the Windlass is Good Captain Good Rudder Good Pumps 2 metal fitted with purchase

#### General Remarks and Statement and Date of Repairs, if any.

DATES of Surveys held while building, as per Section 35.	1st. When the Frame is completed	5 Sept	25 18.27 7m .8m	5.12.19.28 9m	3.10.17.24 10m
	2nd. When the Beams are put in, &c.	3 Oct	714.21.28 11m	5.12.19.26 12m	9.16.23.. 1m 6
	3rd. { When completed, and before the plank be painted or payed }	26 Dec	6.13.20.27 2m 64.	5 3m	

A well bound vessel built of good materials in quality. Is flush decked with square stern formed without tremens the stern & Counter timbers filled in to abut against after Cams & combined together by the outside planking & Peeling Woods has been specially surveyed while building under order No 122

43 fathoms of Bower Cable are 1 which the owner had on stone for which there safety certificate I have requested this to be tested & certificate produced to recommend the figure being attractive for outfit



Present condition of Caulking of Bottom, efficient - Deck, efficient - and Waterways efficient

If Sheathed, Doubled, Felted, or Coppered single bottom When last done \_\_\_\_\_

I am of opinion this Vessel should be Classed 8A

The Amount of the Fee.....£ 2 : .. : .. is received by me, Thomas Alexander

Special .....£ 6 : 5 : ..

Certificate ....£ 8 : 5 : ..

Committee's Minute 11 March 1864

Character assigned all for 8 Years



© 2019

Lloyd's Register Foundation